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| IDS FORM<br><br>INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT | Application Number | 10/577,982 |
|---|---|---|
| | Filing Date | May 2, 2006 |
| | First Named Inventor | Makoto KOIZUMI |
| | Group Art Unit | 1637 |
| | Examiner Name | Mark STAPLES |

| Sheet | 1 | of | 2 | Attorney Docket Number | 06189/HG |
|---|---|---|---|---|---|

## U.S. PATENT DOCUMENTS

| Exam. Inits* | Cite No[1] | Document Number | Kind Code[2] | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion |
|---|---|---|---|---|---|---|
| | | 7,335,765 | B2 | KANEKO et al. | 02-26-2008 | |
| | | 7,314,923 | B2 | KANEKO et al. | 01-01-2008 | |
| | | 2007/0117773 | A1 | KOIZUMI et al. | 05-24-2007 | |
| | | 2003/0134808 | A1 | WENGEL | 07-17-2003 | |
| | | 6,794,499 | B2 | WENGEL et al. | 09-21-2004 | |
| | | 7,084,125 | B2 | WENGEL | 08-01-2006 | |
| | | 7,053,207 | B2 | WENGEL | 05-30-2006 | |
| | | 7,034,133 | B2 | WENGEL et al. | 04-25-2006 | |
| | | 6,670,461 | B1 | WENGEL et al. | 12-30-2003 | |
| | | 2005/0287566 | A1 | WENGEL et al. | 12-29-2005 | |
| | | 7,217,805 | B2 | IMANISHI et al. | 05-15-2007 | |

## FOREIGN PATENT DOCUMENTS

| Exam Inits' | Cite No[1] | Offc[3] | Document Number[4] | Kind Code[5] | Name of Patentee or Applicant | Publication Date MM-DD-YYYY | Relevant Portion | T[6] |
|---|---|---|---|---|---|---|---|---|
| | | WO | 99/14226 | A2 | WENGEL | 03-25-1999 | | |
| | | EP | 1 013 661 | A1 | IMANISHI et al. | 06-28-2000 | | |

| Examiner Signature | | Date Considered | |
|---|---|---|---|

* EXAMINER:  Initial if document considered, whether or not citation is in conformance with MPEP 609.  Draw line through citation if not in conformance and not considered.  Include copy of this form with next communication to applicant.

[1] Unique citation designation number.  [2] See kinds of U.S. Patent Documents.  [3] Enter Office that issued the document; by the two-letter code (WIPO Standard ST.3).  [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.  [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.  [6] Place a check here if English translation is attached.

**DATE:   APRIL 23, 2008**

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| Sheet | 2 | of | 2 | Attorney Docket Number | 06189/HG |

## OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials[1] | Cite No.[1] | Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published | T[2] |
| --- | --- | --- | --- |
| | | Satoshi Obika, Daishu Nanbu, Yoshiyuki Hari, Jun-ichi Andoh, Ken-ichiro Morio, Takefumi Doi,and Takeshi Imanishi, "Stability and structural features of the duplexes containing nucleoside analogues with a fixed N-type conformation, 2'-O,4'-C-methyleneribonucleosides," Tetrahedron Letters, 39, (1998) 5401-5404.<br><br>Sanjay K. Singh, Poul Nielsen, Alexei A. Koshkin and Jesper Wengel, "LNA (locked nucleic acids): synthesis and high-affinity nucleic acid recognition," Chemical Communication, 1998, No. 4, pp. 455-456.<br><br>Alexei A. Koshkin, Sanjay K. Singh, Poul Nielsen, Vivek K. Rajwanshi, Ravindra Kumar, Michael Meldgaard, Cark Erik Olsen and Jesper Wengel, "LNA (Locked Nucleic Acids): Synthesis of the Adenine, Cytosine, Guanine, 5-Methylcytosine, Thymine and Uracil Bicyclonucleoside Monomers, Oligomerisation, and Unprecedented Nucleic Acid Recognition," Tetrahedron, 54, (1998) 3607-3630. | |
| Examiner Signature | | Date Considered | |

\* EXAMINER:  Initial if document considered, whether or not citation is in conformance with MPEP 609.  Draw line through citation if not in conformance and not considered.  Include copy of this form with next communication to applicant.

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